

Fig. 1

Ohnele han (and impli	dia ation on accord				
200 Strok typ (and impli					
Play r n th ft	Play r on the right				
1 FH Ground Stroke	3 FH Ground Stroke				
4 FH Volley	6 FH Volley				
44 FH Overhead and Serve	66 FH Overhead and Serve				
11 FH Approach	33 FH Approach				
7 BH Ground Stroke	9 BH Ground Stroke				
* BH Volley	# BH Volley				
** BH Overhead	## BH Overhead				
77 BH Approach	99 BH Approach				
210 Stroke placement	220 Stroke error				
2 Cross Court; opt default	020(0) Wide				
5 Middle	050(0) Net				
8 Down the Line	080(0) Long				
0 Inside Out	0852(0) Mis-hit				
230 Stroke Trajectory	optional (0) indicates forced error				
22 Drop shot	240				
55 Lob	858 Stroke winner				
88 Passing shot					
250 Corrections					
15551 Let					
35553 Point played over					
052 Back over last entry					
	Can be repeated up to the previous point entries				
0528 Ignore all shots in the point					
0520 Ignore all shots in the point					
(260) Miscellaneous					
	player 1 on left, etc. notation (only after concluding entry)				
252 Missed some strokes.	playor i orrion, oto, riotation (orny altor concluding orner)				
	nter complete match score from where recording picks up				
123 Start of a tiebreak	more complete material cools from the cools and prove ap				
13 Lplayer - serve is from deuce court					
79 Lplayer serve is from ad co					
31 Rplayer - serve is from deuce court					
97 Rplayer serve is from ad court					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
(270) Concluding Entries					
**** Point over; Player on the left won. (Optionally followed by Game Score entry)					
#### Point over; Player on the right won. (Optionally followed by Game Score entry)					
7777 Game over. Player on the left won;					
9999 Game over Player on the right won.					
4444 Set over. Player on the left won					
6666 Set over, Player on the right won.					
1111 Match over; Player on the left won. enter complete score					
3333 Match over; Player on the right won. enter complete score					
#963 Match stopped or postponed					

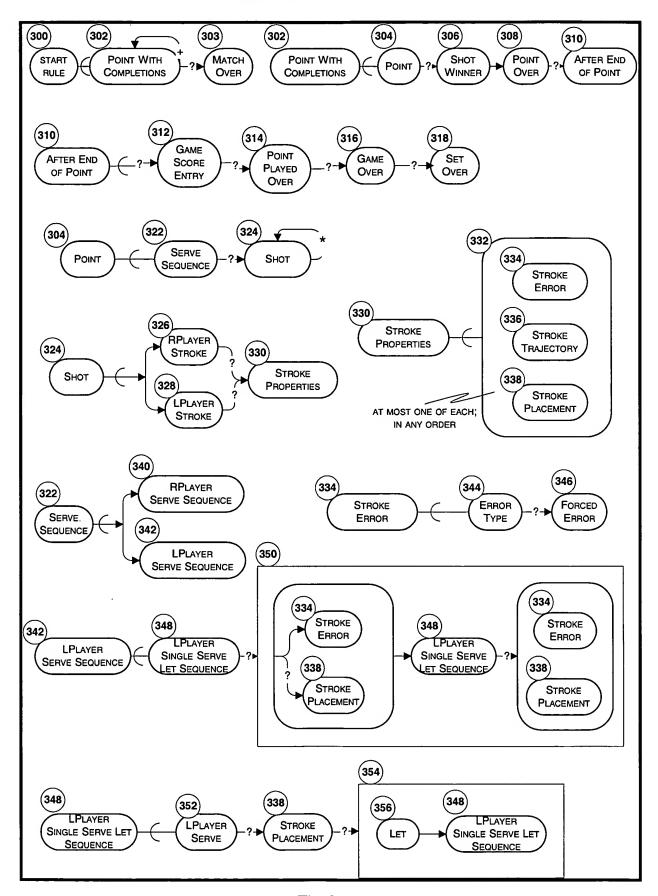


Fig. 3

```
LPLAYERSERVE :
LPLAYERSTROKE:
                                           ('PLAYER 1' | 'P 1') (?)
('PLAYER 1'| 'P 1') (?)
PLAYERSTROKE
                                           RPLAYERSERVE:
                                           ('PLAYER 2' | 'P 2') (?)
RPLAYERSTROKE:
                                            SERVE
('PLAYER 2'| 'P 2') (?)
PLAYERSTROKE
                                           SERVE :
                                           'SERVE'
                                            ( 'FROM'(?)
                                            ('AD' | 'DEUCE')
PLAYERSTROKE:
(FORB
                                            'SIDE' (?)
('GROUND' | 'BASE' | 'BASELINE')(?)
                                           ) (?)
FORB (?) 'VOLLEY'
FORB (?) 'OVERHEAD'
FORB (?) 'APPROACH'
                                           LET :
                                            'LET'
FORB:
FOREHAND BACKHAND
                                           POINTPLAYEDOVER :
                                            'POINT'(?) 'PLAYED OVER'
FOREHAND:
'FOREHAND' | 'FORE'
                                           SHOTWINNER:
                                           'SHOT'(?) 'WINNER'
BACKHAND:
'BACKHAND' | 'BACK'
                                           MATCHOVER:
                                           'MATCH OVER'
                                            ('PLAYER' ('1'|'2') 'WON')(?)
ERRORTYPE:
('ERROR' 'OUT')(?)
('WIDE' | 'NET' | 'LONG' | 'MIS-HIT')
                                           SETOVER:
                                            'SET OVER'
                                            ('PLAYER' ('1'|'2') 'WON')(?)
FORCEDERROR:
'FORCED'
                                           GAMEOVER:
                                            'GAME OVER'
                                            ('PLAYER' ('1'|'2') 'WON')(?)
STROKEPLACEMENT:
'CROSS' 'COURT'(?) | 'MIDDLE'
 'DOWN'(?) 'THE'(?) 'LINE'
 'Inside Out'
                                           POINTOVER :
                                            'POINT OVER'
                                            ('PLAYER' ('1' | '2') 'WON')(?)
STROKETRAJECTORY:
'DROP SHOT' | 'LOB'
  'PASSING SHOT'
```

```
LPLAYERSTROKE:
  '44' | '11' | '1' | '4'|
'**' | '77' | '7' | '*'
RPLAYERSTROKE:
 '66' | '33' | '3' | '6' |
'##' | '99' | '9' | '#'
ERRORTYPE:
 '020' | '050' | '080' | '0852'
FORCEDERROR:
 '0'
STROKEPLACEMENT:
'2' | '5' | '8' | '0'
STROKETRAJECTORY:
'22' | '55' | '88'
LPLAYERSERVE :
'44'
RPLAYERSERVE :
1661
LET :
'15551'
POINTPLAYEDOVER:
'35553'
SHOTWINNER:
'858'
MATCHOVER:
'1111' | '3333'
SETOVER:
'4444' | '6666'
GAMEOVER:
י9999י | י7777י
POINTOVER:
***** | *#### *
```

MATCH INFO 610 WINNER **PLAYERS** NAME JOHN DOE PLAYER 1 PLAYER 2 JOHN DOE JR \mathbf{X} 620 MATCH DATE AND TIME **JULY 24, 2003 MATCH DURATION** 3 HOURS TYPE OF RECORDING **ALL STROKES** 630 **MATCH SCORE** SET 5 SET 1 SET 2 SET 3 SET 4 **PLAYER** 3 6 3 PLAYER 1 6 6 4 Player 2 MATCH STATISTICS FOR John Doe Jr. 640 **SUMMARY STATISTICS** 140 POINTS PLAYED 70% 85 POINTS WON 10 7% WINNERS 32% 45 **ERRORS** 35 25% UNFORCED ERRORS 3/7 BREAK CHANCES 21% 3 BROKEN SERVICE GAMES 60% FIRST SERVE CONSISTENCY 70% RETURN OF SERVE CONSISTENCY 650 WINNERS AND ERRORS BY STROKE FH BH BH FH BH FH BH FH BH FH SERVE **SERVE** Voll Voll OVER OVER APPR APPRO RETU BASE BASE RETU 1 2 HEAD HEAD OACH ACH RN RN LINE LINE EY EY 2 0 0 0 **WINNERS** 2 0 1 0 1 1 1 2 4 4 9 1 3 1 1 42 10 4 6 **ERRORS** -3 -8 0 -3 +1 -2 +1 -4 -40 -10 -4 -6 BALANCE

Fig. 6

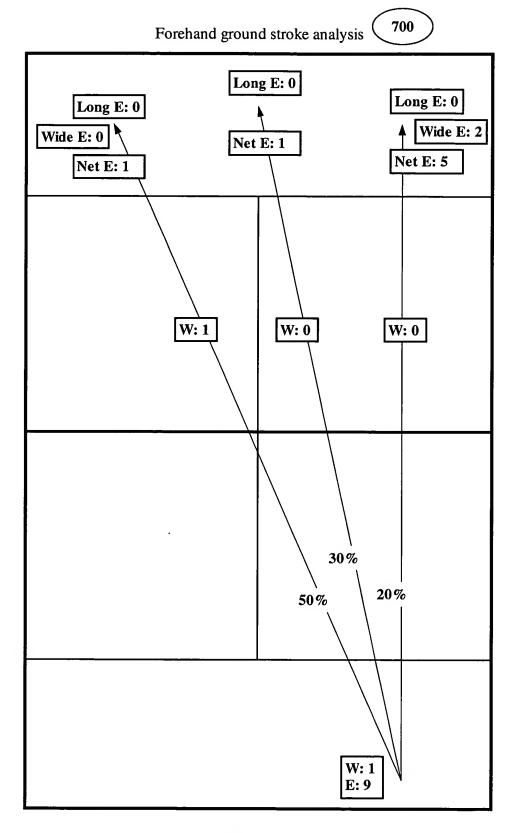


Fig. 7

	_						
	PointInfo Table Sch ma						
	Field	T ype	Attributes	Null	Default		
PK PK		int(10) int(10) int(10) tinyint(1)	UNSIGNED UNSIGNED UNSIGNED UNSIGNED	No No No Yes	0 0		
	WinningPlayerSide WinningPlayerRef WinnerOrError ServingPlayerRef	enum(1P', RP') tinyint(1) tinyint(1) tinyint(1)	UNSIGNED UNSIGNED	Yes Yes Yes Yes	<i>NULL</i> 0 0 0		
	FirstServeIn SecondServeIn LPlayerRef	tinyint(1) tinyint(1) tinyint(1)	UNSIGNED UNSIGNED UNSIGNED	Yes Yes Yes	0 0 0		
	RPlayerRef LPE nterec\$ core RPE nterec\$ core LPR unning\$ core	tinyint(1) varchar(5) varchar(5) varchar(5)	UNSIGNED	Yes Yes Yes Yes	0		
	RPRunningScore CompleteRecording RecordingErrors	varchar(5) tinyint(1) tinyint(1)	UNSIGNED UNSIGNED	Yes Yes Yes	0 0		

(Strokelnfo Table Schema				
	Field	T ype	Attributes	Null	Default
PK	RedD	int(10)	UNSIGNED	No	0
PK	<u>StrokelnMatch</u>	int(10)	UNSIGNED	No	
	PointInMatch	int(10)	UNSIGNED		0
	StrokeInPoint	int(10)	UNSIGNED	No	0
	PlayerRef	tinyint(1)	UNSIGNED	No	0
	StrokeType FH	enum('S erve1', 'S erve2', 'GroundS troke', 'Volley', 'Overhead', 'Approach') tinyint(1) enum('Cross Court', 'Middle', 'DownT heLine',	UNSIGNED	No No	Servel 0
	StrokePlacement	'InsideOut')		Yes	NULL
	StrokeTrajectory Let Winner	enum('DropS hot', 'Lob', 'PassingS hot') tinyint(1) tinyint(1)	UNSIGNED UNSIGNED	Yes Yes Yes	NULL 0 0
	ErrorType ForcedError StartRedindex EndRedindex	enum('Wide', 'Net', 'Long', 'Mishit') tinyint(1) int(10) int(10)	UNSIGNED UNSIGNED UNSIGNED	Yes Yes No No	NULL 0 0 0

	Vo	ice nota	tion for reco	rding single	es ten	nis mat	ches	
	I	910			1			T
			S rve Informa	tion ntri s				
Player ?	1st/2nd ?	Stroke	Position ?	Placement ?	Error?	Err Type	? Winner ?	Let?
player 1	firs t		CCC!	cross	error	net	winner	let
рl	s econd	serve	from ad	cross court	out	long	œ	
player 2			from ad side	midde		wide		
p2			deuce	center		miss-hit		-
Player s	should be	l	from deuce line Error/		rror/Winne	/Let		
given for the first			from deuce side			e mutually	exclusive	
serve of	the			down the line				
match, oinput is recognized recordirection recordinates reco	not zed or	2, "	Synonym entries a '?" After entry head Entries should be o	ding means - er	ntry is op	otional		fied
interrup	1000	920	Stroke informa	i ation entries	<u></u>	<u> </u>		
Player ?	Side	Stroke ?	Placement ?	Trajectory ?		Err Type	? Forced ?	Winn r
player 1	forehand	ground	cross	dropshot	error	net	forced	winner
pl	fore	base ,	cross court	lab	out	long		
player 2		baseline\	middle	passing shot			1. If not giver	d rámá i á
p2	back	valley	center	<u> </u>		†	unforced erro	
		overhead \	line				assumed	
		approach	down line			3	2. forced may	/ be
lf.stř	oke is not	7,10	down the line			given only if	500 G. 500	
1 1 100	ified, groun	d 💮 🗀	inside out given		Section in the Manager			
	ce is assum		Placement	and		1		
	00-1-00-18 -078000		Trajectory	The second secon	Frr Tvo	e may be o	given only if	
			given in₂an		Error is	aiven.		
	930							<u> </u>
	Concluding Segment Over		l ontrine		+-	940	core entri	
·····			Player ?		 	Prefix	Entry 1	Entry 2
	point	Over	player 1 won			FIGUX		din
	1	over	pl won			s core		dout
······································	game set		player 2 wan		-	13006		
······································	match		p2 won		+		0	0
							love	love
	***************************************	***************************************					15	15
					1	-	30	30
						-	40	40
						-	1-14	1-14
								al
								